

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17	((("6580870") or ("6194743") or ("6900472") or ("20010015442") or ("20050179051") or ("6936859") or ("20040222434") or ("6794690") or ("20030052328") or ("20020136932")).PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/13 14:47
S5	13	S3 and S4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:21
S4	21843	multi\$1layer with electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:21
S7	3777	S4 and S6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:42
S6	425187	silver (silver near alloy) same nitride	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:42
S3	939	siliver (silver near alloy) same nitride	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:42
S9	710	S7 and S8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:43
S8	625229	LED (light near emitting near diode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:43
S11	544	S9 and S10	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:44
S10	5126081	inhibits prevents migration diffusion	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 10:44
S12	138	(438/573,575).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/19 15:09

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S14	12	S12 and S13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 15:25
S13	425361	silver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:01
S17	24	S12 and S16	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:06
S19	634078	LED (light with emitting with diode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:07
S18	1016	multi\$1layer with electrode with S16	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:07
S21	16228474	nitride N	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:08
S20	151	S18 and S19	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:08
S24	114	S18 and S19 and S21	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:23
S23	45	S18 and S19 and S22	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/19 16:23
S15	2	("20030052328").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/19 16:52
S32	108750	S30 and S31	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:19

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S31	1999936	silver Ag	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:19
S30	1053819	S28 S29	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:19
S28	452465	((("257") or ("438")).CLAS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/20 09:19
S16	1999936	silver Ag	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:19
S33	440789	(silicon with nitride) "Si.sub.3N.sub.2" "Si.sub.2N.sub.3" SiN nitride	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:20
S22	294193	(silicon with nitride) "Si.sub.3N.sub.2" "Si.sub.2N.sub.3" SiN	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:20
S34	24786	S32 and S33	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:21
S35	91279	((first near metal) and (second near metal)) ((multi\$1layer (multiple near layer)) with (metal electrode))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:23
S36	4045	S34 and S35	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:25
S38	1617	S36 and S37	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:28
S37	84810	((aluminum indium gallium) near3 nitride).(AlGaIn GaN GaAlN IGaN IAlGaIn AlIGaN)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:28

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S40	501	S38 and S39	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:29
S39	24936	(silver Ag) and (nickel Ni) and (platinum Pt) and (titanium Ti)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:29
S29	634078	LED (light with emitting with diode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:33
S42	41309	("372").CLAS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/20 09:34
S41	1503612	LED (light with emitting with diode) laser	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:34
S43	1878711	S28 S41 S42	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:35
S46	497	S44 and S45	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:37
S45	1713054	electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:37
S44	606	S43 and S31 and S33 and S35 and S37 and S39	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 09:37
S47	2	"US 20070023777"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/20 16:58
S48	183354	(single with crystal\$4) (single\$1crystal\$4) (mono\$1crystal\$4) (mono with crystal\$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/20 16:59
S51	634078	LED (light with emitting with diode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 17:00

## EAST Search History

S50	14489	S48 with S49	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 17:00
S49	4107796	metal silver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 17:00
S55	316	S54 and S51	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 17:01
S54	606	S50 same S53	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 17:01
S53	84810	((aluminum indium gallium) near3 nitride) (AlGa <sub>N</sub> Ga <sub>N</sub> GaAl <sub>N</sub> IGa <sub>N</sub> IAlGa <sub>N</sub> AlIGa <sub>N</sub> )	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 17:01
S52	2043	S50 and S51	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 17:01
S57	516	S56 and S53 and S51	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/20 17:04
S56	12610	S48 with electrode	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/20 17:04
S61	1713985	electrode	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 09:19
S59	634768	LED (light with emitting with diode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 09:19
S58	84943	((aluminum indium gallium) near3 nitride) (AlGa <sub>N</sub> Ga <sub>N</sub> GaAl <sub>N</sub> IGa <sub>N</sub> IAlGa <sub>N</sub> AlIGa <sub>N</sub> )	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 09:19
S62	9143	((single with crystal\$4) (single\$1crystal\$4) (mono\$1crystal\$4) (mono with crystal\$4)) with (Ni nickel Co cobalt Ti titanium)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/21 09:44

## EAST Search History

S64	364	S63 and S61	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/21 09:45
S63	467	S62 and S58 and S59	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/21 09:45
S65	24967302	@pd<"20041019"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/21 09:46
S66	264	S64 and S65	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/21 10:17
S2	2	"US 20070023777"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:14
L1	2519	(257/103).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 13:14
S67	13	LED same (S60 with (Ni OR nickel OR Co OR cobalt OR Au OR gold OR Pd OR palladium OR Pt OR platinum) with electrode)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:18
S60	183526	(single with crystal\$4) (single\$1crystal\$4) (mono\$1crystal\$4) (mono with crystal\$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:19
L3	150203	(single near2 crystal\$4) (single\$1crystal\$4) (mono\$1crystal\$4) (mono near2 crystal\$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:20
L4	7207527	metal electrode contact	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:36
L8	634768	LED (light with emitting with diode)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 13:39
L7	4096	2 same 3 with 4	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:39
L6	3437	2 with 3 same 4	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:39
L5	9315	2 same 3 same 4	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:39
L11	1281	6 and 9	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:40

## EAST Search History

L10	2940	5 and 9	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:40
L9	1204200	L8 laser	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:40
L14	934	13 and 9	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:41
L13	2437	2 with 3 with 4	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:41
L12	1409	7 and 9	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:41
L16	768	14 and 15	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:44
L15	16671336	@ad<"20041019"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 13:44
L17	4	("4119498").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:14
L2	12286642	(Ni OR nickel OR Co OR cobalt OR Au OR gold OR Pd OR palladium OR Pt OR platinum)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/22 14:14
L18	23	("3298944").PN. OR ("4119498").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/22 14:16